

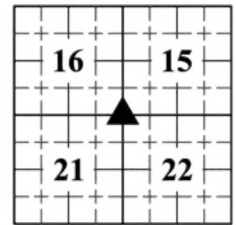
GREENE COUNTY CORNER PERPETUATION RECORD

Corner ID: Center_N13

Section Corner

Sections 15, 16, 21 & 22- T07N-R03W, 2nd P.M.

Center Township, Greene County, Indiana



PERPETUATION RECORD

MONUMENT: Describe monument set or found (Include material type, scribing, distance above/below grade, dimensions.)

A 4-1/2" long mag spike in a 2" diameter aluminum disc stamped "OSER IN PS#21100022" was set 0.1 foot below grade in the asphalt pavement of State Road 54.

OTHER EVIDENCE: Describe corner location relative to nearby features and how to reach the corner location – note fences, roads, timber cutting lines, mow lines, clearings, plantings, streams, topo changes, etc.

The mag spike is 5 feet southeast of the centerline of State Road 54.

GEODETIC COORDINATES: (OSM #10309)

Northing: 331866.39, Easting: 890348.75

Datum: InGCS Greene Zone, US Survey Feet

Northing: 1379875.23, Easting: 3050959.24

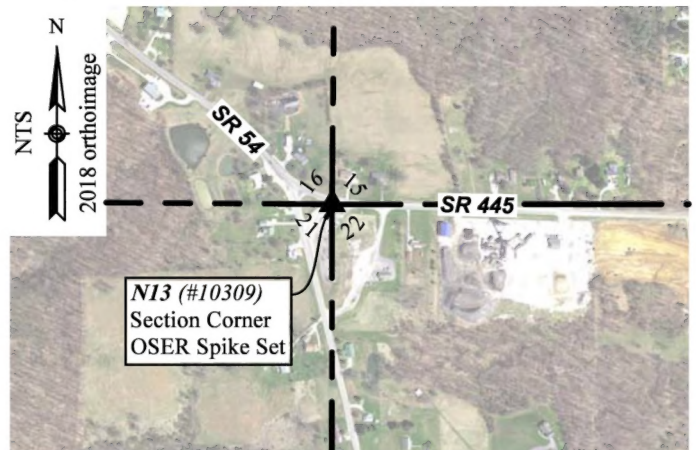
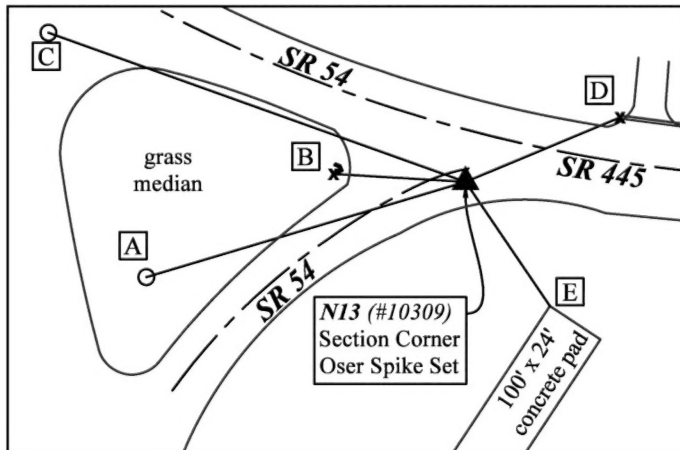
Datum: NAD83(2011) IN West Zone, US Survey Feet

WITNESS MONUMENT TIES: Describe at least three witness objects.

ID	Bearing	Distance	Description
A	S 73°24'24" W	134.44'	5/8" rebar with pink plastic cap stamped "OSER SURVEY CONTROL POINT" set flush 40 feet north of the south corner of a grass median
B	N 86°33'35" W	53.24'	Cut X in southwest top of concrete headwall
C	N 70°20'34" W	178.76'	Concrete benchmark with USGS brass tablet "TT- 33DWP 1947 RESET 1966"
D	N 67°24'40" E	67.98'	Cut X in top of west side of 15" culvert under drive entrance to 11019 E SR 445
E	S 34°12'28" E	60.55'	Northwest corner of new 100' x 24' concrete pad

Note: All of the witness ties above were located with survey grade RTK GNSS to facilitate perpetuating this corner safely without exposing it when it is eventually paved over.

MONUMENT LOCATION SKETCH: Attach a sketch or aerial image.



CORNER REPORT

THEORY OF LOCATION: Describe the theory of location for acceptance of this monument.

The original government land surveyors monumented the section corners and quarter corners of each section with wooden posts in the early 1800s. The task of replacing the original wooden posts with permanent objects such as stones, and setting permanent objects at the center of section and other interior aliquot corners was left to the county surveyors (in the 1800s and early 1900s) and later to local surveyors in private practice.

No record was found of a historic legal survey to set a stone at this corner and 1927 INDOT plans do not show a monument at this corner. No trace was found of the accessories to the original wood post.

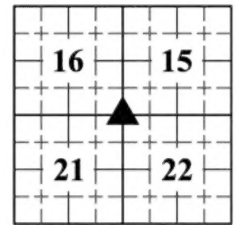
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In 1970, Henry Dorman set monument at this corner based on equal proportionate measurement between a marked stone found at the South 1/16 corner common to Sections 9 and 10 (H13) and the 1/4 corner common to Sections 21 and 22 (P13). Dorman noted that the corner was 4 feet south of the centerline of State Road 445 and in line with iron fence posts to the south. We did not search for Dorman's monument, which would have been 17.2 feet northeast of the spike set this survey.

In 1982, Lee Utt set a monument at this corner as shown on his extensive survey of Lawrence Hollow, but his methodology in establishing the corner is unclear from the plat. We did not search for Utt's monument, which would have been 25.5 feet northeast of the spike set this survey and 1.2 feet north of the centerline of State Road 445.

In 1993, Phil Tapp set a pk nail at this corner by double-proportion. The pk nail was later replaced by a railroad spike, and its location has been relied on by all subsequent surveyors with the exception of Lee Utt. We accepted Tapp's location as the corner by common report. We did not find the railroad spike, so we tied into corners from BRG surveys to the west, north, south, and east and remonumented the corner at a best-fit calculated location, which has up to 0.35 feet of uncertainty due to variances in the dimensions shown on prior surveys.

EXISTING SURVEY HISTORY: Include as much detail and history of the corner as known at the time of perpetuation.

ORIGINAL GOVERNMENT SURVEY:

Year Surveyed: 1812 By: Arthur Henrie

Where filed or recorded: F_EV03P372

Original monument: Wood post

Bearing Trees or Witness Ties:	Bearing	Distance
4" dogwood	N44°E	11.9'
10" hickory	S62°W	4.6'

OTHER SURVEY HISTORY: Include details such as surveyor name, date, recording info, monument description, etc.

Date	Surveyor	Description	File Location
5/12/1843	Brown, J.C.	Legal Survey in Section 16	LSB 1, pg 149
11/29/1927	INDOT	State Highway Federal Aid Project No. 134 Sec.A Bloomfield-Bloomington Road (State Road 445)	INDOT
9/24/1970	Dorman, Henry J.	Survey of W. Line Sections 10, 15, 22 (<i>Origin of Dorman's monument</i>)	MI039-489
12/11/1970	Dorman, Henry J.	Survey in Section 22 for Sullivan/Carmichael	MI040-055
12/21/1982	Utt, Lee	Plat for Bales-Rhoades in Section 15 (<i>Origin of Utt's monument</i>)	PL2-099
5/7/1993	Tapp, Philip O.	Survey in Section 22 for McNeal (<i>Origin of Tapp's monument – Accepted this survey</i>)	2004-1895
3/10/1995	Utt, Lee	Survey in Section 22 for Kenneth Sullivan	1995-4171
4/13/1995	Utt, Lee	Survey for Melville in Sections 21 & 22	1995-4176
9/4/1995	Utt, Lee	Survey in Section 21 for Eugene Carmichael	1995-6353
7/10/2000	James, Marty J.	Survey for Eastern Greene School Corp. in Section 21	BTR Job #2-0481
1/24/2001	James, Marty J.	Survey in Section 16 for Sluss	2001-3284
8/9/2001	James, Marty J.	Survey in Section 21 of Carmichael property for Corn	2001-6137
12/19/2001	James, Marty J.	Survey in Section 21 for Cox	2002-0715
7/18/2003	Summers, Travis E	Survey in Section 22 for Doyle	2003-5198
7/29/2003	Cooper, Matthew L.	Survey in Section 22 for McNeal	2003-8352

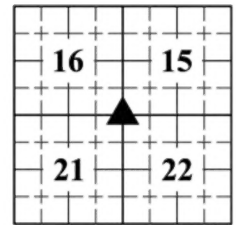
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7/31/2003	Summers, Travis E	Survey in Section 21 for Peggy Doyle	2003-5199
2/7/2008	James, Marty J.	Survey in Sections 15 & 22 for Corlett	PL5-054
4/28/2009	Bledsoe, Ben E.	Survey in Section 22 of American Asphalt Plant	2011-0861
9/15/2016	Porter, Christopher	Survey in Section 16 for Inman	2016-3827

UNCERTAINTIES IN THE CORNER LOCATION DUE TO:

- Variances in the Monumentation: 25.5 feet
- Discrepancies in the Documents: No record was found of a historic legal survey to establish this corner. Without a chain of records to prove the perpetuation of the original wood post, it is impossible to know if the monument found at this corner is in the original location. Therefore, the uncertainty cannot be determined.
- Inconsistencies in the lines of Occupation: None noted.
- Theoretical Uncertainty (Random Errors in Measurement): The Relative Positional Accuracy of this survey is within the specifications for an Indiana Rural Survey (0.26 feet plus 200 ppm) as defined in IAC 865.

PHOTO IDENTIFIED: Photograph close up photo of monument and a vicinity photo of the monument.

Photo Date: 1/14/2022



Photo Orientation & Description: Mag spike and washer at N13



Photo Orientation & Description: Looking west at N13

FIELD PERSONNEL:

Field Date: 1/14/2022 By: Rachel Oser and Phillip Oser Project : Oser Surveying & Mapping LLC Job# 10226A Corner Perpetuation Survey for Center Township Sections 14, 15, 22 & 23, Township 7 North, Range 3 West

Notes: This document is not complete without the associated plat and report of survey dated January 25, 2022.

BASIS OF GEODETIC COORDINATES: The basis of bearings is the Indiana Geospatial Coordinate System's (InGCS) "Greene" zone NAD 83 (2011) epoch 2010.00, NAVD 88, geoid18_conus.db3, reported in US Survey Feet and decimal parts thereof. The zone was developed to minimize the differences between ground measured horizontal distances and the corresponding grid coordinate (map) distances within the county. Coordinates are also reported in Grid North System NAD83(2011)/Indiana West NAVD 88, Epoch 2010.0000, geoid18_conus.db3, US Survey Feet.

Coordinates were established using a Javad GNSS System (Triumph LS rover and Triumph 3 base) and the InCORS Real-Time Network. Distances to witness ties were measured with a 100-foot steel tape. Bearings to witness ties were collected with the internal magnetic compass of the Javad Triumph LS and were automatically adjusted to InGCS Greene Zone Grid North. Bearings to witness ties are approximately shown hereon for reference. Priority should be given to provided distances over bearings.

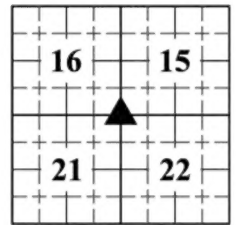
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CERTIFICATION:

Rachel Oser

Indiana Professional Surveyor 21100022

Oser Surveying & Mapping LLC

4632 E Rocky Road, Bloomfield, IN 47424

(812) 320-2694 • Rachel@OserSurveying.com

Date: 1/25/2022

